

Recombinant Human BMP10 Protein

Cat. No. BMP10-486H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human BMP10 was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a secreted ligand of the TGF-beta (transforming growth factor-beta) superfamily of proteins. Ligands of this family bind various TGF-beta receptors leading to recruitment and activation of SMAD family transcription factors that regulate gene expression. The encoded preproprotein is proteolytically processed to generate the mature protein, which binds to the activin receptor-like kinase 1 (ALK1) and plays important roles in cardiovascular development including cardiomyocyte proliferation and regulation of heart size, closure of the ductus arteriosus, angiogenesis and ventricular trabeculation.
Form	Lyophilized from a 0.2 M filtered solution of 20mM phosphate buffer, 100mM NaCl, pH 7.2
Molecular Mass	24.4 kDa
AA Sequence	NAKGNYCKRTPLYIDFKEIGWDSWIIAPPGYEAYECRGVCNYPLAEHLTPTKHAIQALVHLKNSQKASKACCVPTKLEPISILYLDKGVVTYKFKYEGMAVSECGCR
Endotoxin	Endotoxin level is <0.1 ng/g of protein (<1EU/g).

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Purity	>95% as determined by SDS-PAGE and Coomassie blue staining
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Concentration	Resuspend the protein in the desired concentration in proper buffer
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GENE INFORMATION

Gene Name	BMP10 bone morphogenetic protein 10 [Homo sapiens]
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Official Symbol	BMP10
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Synonyms	BMP10; bone morphogenetic protein 10; MGC126783;
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Gene ID	27302
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mRNA Refseq	NM_014482
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Protein Refseq	NP_055297
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MIM	608748
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UniProt ID	O95393
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